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TEPECO

*Closet
Combinations*



"TEPECO" GOOD CLOSET COMBINATIONS

THE average man or woman does not realize there are different types of water closets. The subject being one which is often too embarrassing to discuss with the freedom its importance deserves, one seldom learns enough to form a basis for purchase.

Too often plumbing contractors, seeing this embarrassment, pass the subject by also and permit the prospect to purchase by price comparisons alone.

We have decided to tell the public frankly the features of each of the four principal types, and have identified them in this booklet under a named combination. We have endeavored to explain such facts as will enable anyone to understand the advantages in the different closets and aid in the intelligent selection of the type desired.

It is our desire for the benefit of the public and the trade to establish these combinations as standard types, and we trust to enlist your support.

This Company has always made every recognized type of water closet, and these combinations are the results of many improvements gradually developed by our years of careful thought and experience in designing and manufacturing closets of every type for the highest classes of buildings throughout the country.

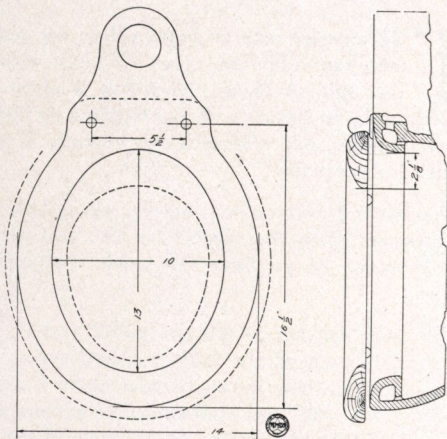
The Trenton Potteries Company

Main Offices and Works, Trenton, N. J.

Boston

New York

San Francisco



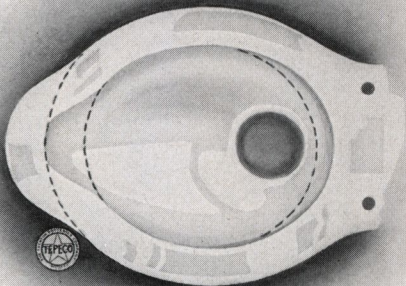
REGARDLESS of the type, one of the features common to all "Tepeco" Closets is the Improved Rim Construction. In the drawing is shown the extra-long opening in the bowl, fully 1 inch longer than the ordinary closet bowl, which locates the back of bowl opening such a distance from the opening in the seat as to provide the non-soiling feature without distorting the line of the bowl opening.

Also note the flat rim, which tapers from the edge of the bowl inward and insures the draining of any dripping upon the rim into the bowl and not down the side of the closet, such as the round, overhanging rim permits.

The punching of the rim is such as to spread the flushing water all over the surface of the bowl and insure a thorough washing by the action of every flush.

Other features of the "Tepeco" Closets are the smooth outside surfaces of graceful lines, free from objectionable indentations and projections. It is the attention given to this outside finish which gives that clean and neat appearance of all "Tepeco" closets.

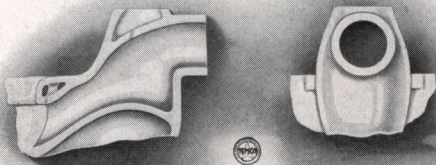
"TEPECO" GOOD CLOSET COMBINATIONS



Extended Lip

Used on "Tepeco" Closets

THE advantage of the Extended Lip from a sanitary point of view deserves every consideration when selecting a water closet. The Lip increasing the length of bowl 2 inches diminishes the soiling of seat or floor. The Extended Lip may be had on any "Tepeco" Closet. The rapidly increasing demand for Extended Lip Closets is a most convincing recommendation of the merit in this feature.

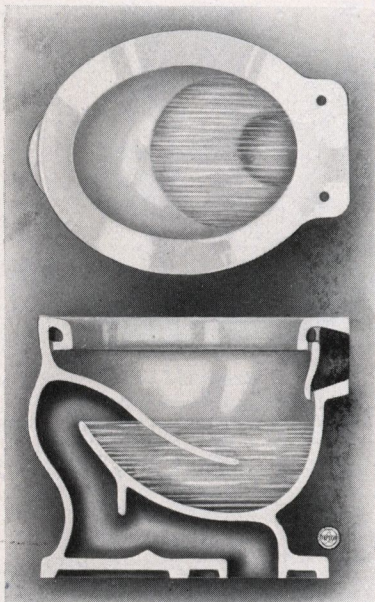


Raised Rear Vent

Used on "Tepeco" Closets

THE easiest, most satisfactory way to ventilate the closet bowl is by means of the Raised Rear Vent. The vent opening into a pipe or flue in the wall carried to the top of the building creates the draft necessary for ventilation. The extra large passage-way of the vent shown not only draws off the offensive odors from the bowl, but creates sufficient draft to purify the atmosphere of the entire room.

The "Tepeco" Rim Feed, our exclusive process, makes possible a larger passage-way and better ventilation than ordinarily found.



Syphon Action Type of "Tepeco" Closet Construction

THIS type of Closet may be readily identified from other closets owing to the trapway or outlet passage running towards the front of closet, which results in the trapway projecting slightly forward of the front of bowl, as may be seen in the above plan and section.

The Syphon Action in this type depends upon the rush of water from the flushing rim raising the level in the bowl sufficiently to force the water over the dam or trapway. This water, being retarded by the contortions of the outlet passage, fills the down leg and starts the syphon.

The design of this bowl gives an ample depth of water seal to guard against sewer gas and a large water surface, which reduces the fouling surface in bowl. It has a strong positive action, which gives a thorough and complete flushing when operated.

Being rather simple to construct, the cost is less than other types of closets.

We believe that in this closet our sanitary engineers have constructed the best Syphon Action Closet on the market.

"TEPECO" GOOD CLOSET COMBINATIONS

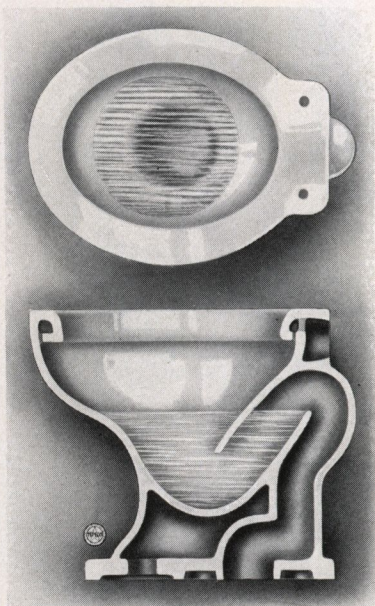


Plate 2665-R

"Saxon" Syphon Action Closet Combination

WITHOUT question, the "Saxon" stands pre-eminent in the class of Syphon Action Closet combinations. No dirt-catching lines or crevices exist, the surface being built as severely plain as possible. The tank fittings are the same as you would expect to find only in high-priced closet combinations and are the famous "Tepeco" fittings, including the Faultless Flush Valve and Hy-lo Ball Cock. The closet seat is substantially constructed and birch mahogany high finish.

Approximate Price, as shown	\$53.15
Approximate Price, Closet with Extended Lip	62.75
If furnished with Donovan Flange, add	3.50
Weight, packed complete, 150 lbs.	



Reverse Syphon Action Without Jet of "Tepeco" Closet Construction

THE principal difference in the construction of the Reverse Syphon Action type of closet and that of the Syphon Action is that the trapway or outlet passage-way runs in just the reverse direction of the bowl, as may be seen in comparing the above section with that of the Syphon Action Closet.

The action of this bowl is accomplished in the same manner as that of the Syphon Action Closet. However, the outlet in the bowl proper being in the center not only increases the water surface and depth of water seal, but locates the water surface in a more effective position. This also reduces the quantity of water in the up leg of the syphon, which results in a quicker and stronger action.

The smaller soiling surface in bowl, deeper water seal, quicker and stronger action, are the features which make this type of closet a more desirable installation than that of the regular Syphon Action Closet.

If you were able to compare "Tepeco" Closets of their respective types with those of other makers you would conclusively see how this company has skilfully developed all these features (factors of safety) to the highest point.

"TEPECO" GOOD CLOSET COMBINATIONS

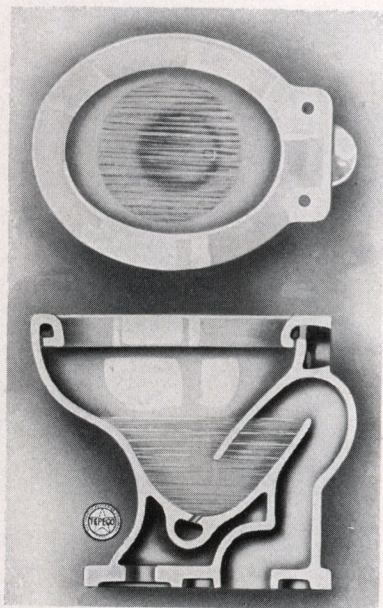


Plate 2651-R

"Merit" Reverse Syphon Action Closet Combination

THE same sanitary rim and foot as in all "Tepeco" Combinations mean neater appearance and ease in keeping clean. A large bowl, large water surface and strong action demonstrate the superiority of the "Tepeco" construction beyond others on the market. The "Tepeco" fittings mean a freedom from the petty annoyances householders are accustomed to at all too-frequent intervals.

Approximate Price, complete as shown	\$57.50
Approximate Price, Closet with Extended Lip	67.10
If furnished with Donovan Flange, add	3.50
Weight, packed complete, 165 lbs.	



**“Premier” Reverse Syphon Action with Jet Type
of “Tepeco” Closet Construction**

THE construction of the Reverse Syphon Action with Jet is identical with that of the Reverse Syphon Action without Jet, except that it is made with an auxiliary jet, as may be seen in the above section.

The action of this closet is, therefore, the same as that of the Reverse Syphon Action without Jet, except when the water in the bowl raises to such a point as to force its way over the dam, the force of the jet assists in lifting the water in the up leg of the syphon, which results in a quicker and stronger action than would without the jet.

By comparison of this closet with the Reverse Syphon Action without jet it will be seen that the addition of jet in no way decreases the large water surface and deep water seal. The stronger action, however, makes this type a more desirable installation.

"TEPECO" GOOD CLOSET COMBINATIONS

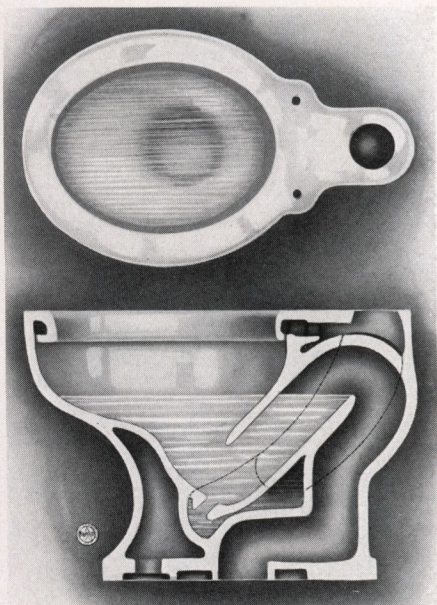


Plate 2647-R

"Premier" Reverse Syphon Action Closet Combination with Auxiliary Jet Action

THE "Premier" has the same clean-cut, graceful lines and smooth outside surface common to all "Tepeco" Closets; and with the "Tepeco" Rim Punchings which spread the flushing water all over the surface of the bowl, it certainly shows merit beyond other closets of the same kind. In conjunction with "Tepeco" China Tank and Fittings, it is assuredly good value.

Approximate Price, complete as shown	\$59.60
Approximate Price, Closet with Extended Lip	69.20
If furnished with Donovan Flange, add	3.50
Weight, packed complete, 165 lbs.	



The Syphon Jet Type of "Tepeco" Closet Construction

THE Reverse Syphon Action with Jet is sometimes mistaken for the Syphon Jet. Be careful to not make this mistake.

By studying the above drawing it will be seen that the Syphon Jet is of greater length than the Reverse Syphon Action with Jet and is made with top supply. This brings the water level higher up, resulting in a deeper seal and larger water surface, completely covering the surface of bowl. Note the larger passage-way, meaning less liability to clog through passage of foreign substances. The instantaneous flushing peculiar to Syphon Jet is acquired by the direct stream of water from the tank being forced up the outlet passage at the moment of release of flushing lever.

This type of closet has a stronger, quicker and quieter action, larger water surface, deeper water seal and larger passage-way than any other type of closet.

These facts emphasize the superiority of the Syphon Jet Closet. Our "Welling" Closet is recognized as having these principles of construction developed beyond the degree of perfection usually found.

"TEPECO" GOOD CLOSET COMBINATIONS



Plate 2637-R

"Welling" Syphon Jet Closet Combination

WHILE the years have brought minor improvements, for a long time the "Welling" has been considered by sanitary experts as the outstanding example of fine closet construction. As a matter of fact, the Siwelclo is the basic "Welling" with the silent features added. With its strong seat of fine finished birch mahogany and its "Tepeco" fittings, we have every reason to be exceedingly proud of the "Welling."

Approximate Price, complete as shown	\$65.65
Approximate Price, Closet with Extended Lip	75.15
If furnished with Donovan Flange, add	3.50
Weight, packed complete, 180 lbs.	

"TEPECO" TANKS

AS the purpose of the tank is to serve as a reservoir which must fill automatically and discharge the water for flushing the closet, its importance in a closet combination demands most careful consideration.

The instant recognition of the superiority of the China Tank over those on the market before the introduction of the all-clay tank has resulted in a very great demand for them. This demand has been the cause for the introduction of imitations in design and color. Be sure that you insist on a tank made of the same material as the closet bowl—all-clay—fireproof and impervious to acids.

"Tepeco" Tanks, being made of the same two-fired vitreous china as "Tepeco" Closets, possess the same qualities of durability and cleanliness. This also means that there are no linings to wear out and be replaced nor any surface subject to corrosion.

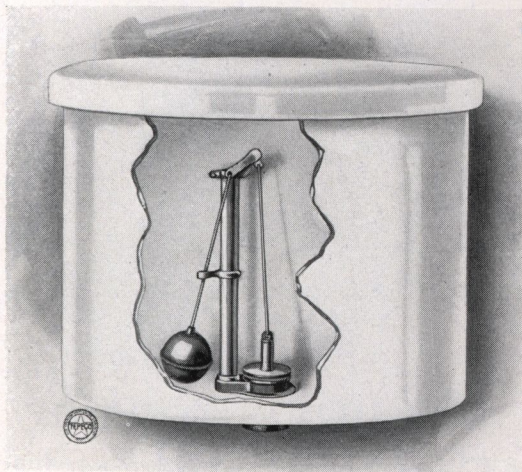
However, to withstand the wear of continual operation, it is necessary that the tank be equipped with such fittings as do not depend upon any delicate mechanism or adjustments which are subject to wear.

In designing and selecting "Tepeco" Tank fittings, with which the "Tepeco" Tanks are fitted, we adopted only such fittings as are adaptable to all water and pressure conditions and as durable as can be made.

The Bellemeade Tank is made in both the eight- and six-gallon capacity and is equipped with "Tepeco" Tank fittings. This tank is furnished in all four of the closet combinations shown on Pages 7, 9, 11 and 13, for only the best tank fittings should be used, regardless of the type of closet.

In the following pages is given in detail the method of construction and operation of the "Tepeco" Tanks.

"TEPECO" GOOD CLOSET COMBINATIONS



THE FAULTLESS VALVE

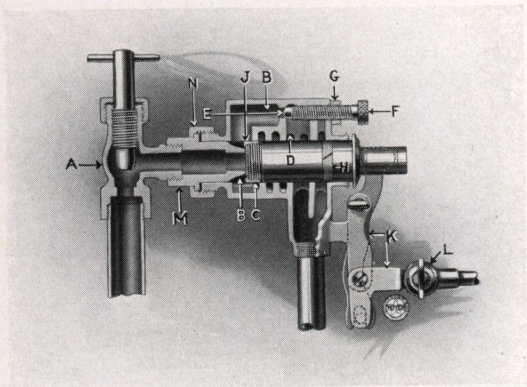
THIS flush valve is the most effective and simple of construction made. It requires absolutely no adjustment and, therefore, can be installed in only one way—the right way. The double function which the rubber ball serves in the ordinary flush valve is accomplished in a better manner in the faultless valve by using a separate part for each purpose, each being designed to serve a definite purpose in the most efficient manner.

When flushing, the valve is held open by the upward thrust of the buoyant copper float.

When closed, this thrust is changed so as to exert a downward pressure on the outlet plug. The contact side of this plug is a flat disc of the toughest leather. The mechanical construction of the outlet and plug is such that it is bound to seat properly, and one need never worry about leakage.

As the working part of valve is elevated and out of water, foreign matter is prevented from settling in such places as would affect its operation.

The inclusion of this flush valve in the "Tepeco" Closet Combinations is another reason why these fixtures are so highly regarded and why we frankly make the statement that they are the best of their class.



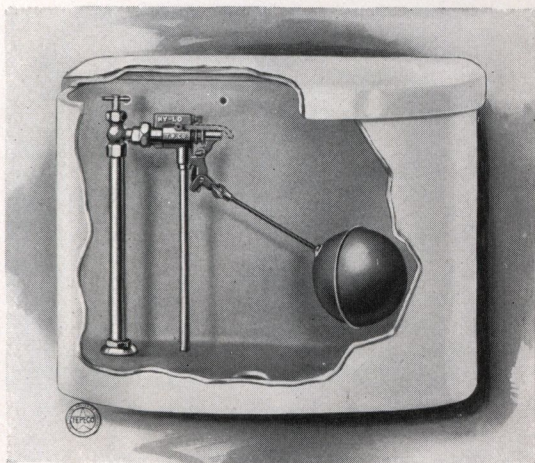
The HY-LO Ball Cock of the "Tepeco" Tank Fittings

THIS fitting is part of the tank fitting equipment of the "Tepeco" Closet Combinations shown in this booklet and is an exclusive "Tepeco" feature.

The service of the ball cock being to control the supply of water entering the tank, it must open and close as the tank is flushed and filled. In ordinary tank fittings this is not as simple as it sounds, for water pressure varies in different localities. The Hy-lo Ball Cock is capable of filling the tank quickly under low pressure and operating quietly under high pressure. It is the only ball cock known to meet all these conditions.

The water enters through the inlet or control stop A into the chambers B and J. The lower duct, which is open at all times, leads the water to the spiral channel D, which passes around the plunger. The spiral channel, which has such an area as to allow a large flow of water, makes three complete revolutions around the plunger spindle and empties into the outlet of the ball cock. Years of experience finds this the only successful means of retarding the noisy rush of water on high pressure, resulting in quiet operations.

"TEPECO" GOOD CLOSET COMBINATIONS

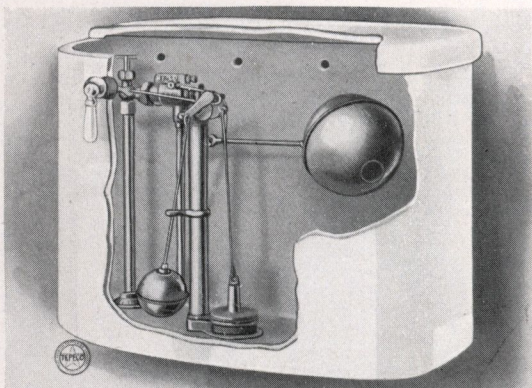


Showing HY-LO Ball Cock Installed in
"Tepeco" Tank

ON low pressures, volume is desired for quickly refilling the tank. In Hy-lo this is accomplished by opening a by-pass (E), which gives added waterway and volume.

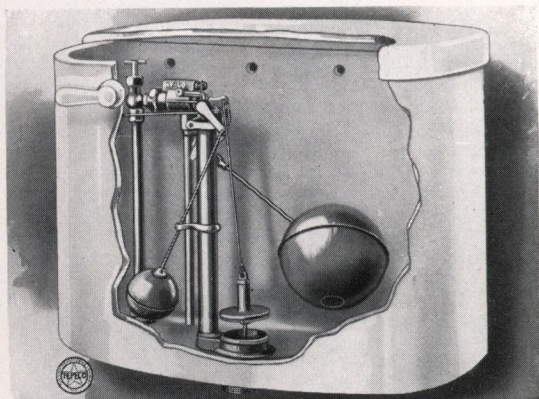
The Hy-lo Ball Cock, like all other "Tepeco" fittings, is built for endurance. It is also simple in principle. The by-pass E and control screw F may be adjusted according to the pressure and locked in position by the lock-nut G. The inlet stop A is a part of the ball cock and makes a shut-off on the supply pipe unnecessary. Being locked to body by nut N, the ball cock may be removed without disturbing the rest of the tank fittings.

Another feature of particular merit is the infrequency of replacing washer. The Hy-lo will operate without attention for years and when the time does come, it is but a matter of a few minutes for even the most unmechanically inclined.



View of "Tepeco" Tank Fittings when Tank is Filled

THE Tank is operated by turning the lever in either direction. A refill tube extends from the ball cock into the overflow tube of the flush valve, refilling the trap of the closet and insuring the water seal and surface after each flush.

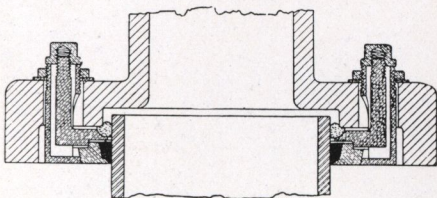
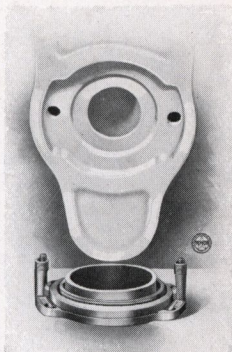


View of "Tepeco" Tank Fittings after Water is Discharged

THE DONOVAN SAFETY FLANGE

THE joint between the closet and the soil pipe has always been the one weak point in an otherwise perfect plumbing system, and it was to correct this weak point that the Donovan Safety Flange was designed.

The cross section below tells the story. The water lies in the pocket formed by the soil pipe, ware and gasket. If the gasket does not seal this pocket—is loose—then water will escape, visibly—and so will sewer gas. Tightening of the bolts compresses the gasket and closes the gap. The Donovan Safety Flange is an automatic indicator of its own efficiency and is the finest device in our knowledge for this purpose. Since it simplifies the installation of the closet, its slight additional cost is offset by the saving in installation expense. Can be furnished on any of the Tepeco Closets.



Tightening of nuts draws gasket against base of closet and soil pipe. Makes a water-sealed, self-testing joint.



**"HITCH YOUR PLUMBING
TO A STAR"**

Look for this Trade Mark. It
is stamped on every piece of
"Tepeco" All-Clay Plumbing.